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(71) Applicant: SHIN-ETSU CHEMICAL CO., LTD. Chiyoda-ku Tokyo (JP)

(72) Inventor: Nakanishi, Tetsuo, c/o Silicone Elec. Mat. Re. Ct. Matsuidamachi, Usui-Gun, Gunma-Ken (JP)

(74) Representative: Bubb, Antony John Allen et al Wilson Gunn Gee, Chancery House, Chancery Lane London WC2A 1QU (GB)

## (54) Polyhydric alcohol-modified silicone and cosmetic material containing same

(57) This invention relates to a novel polyhydric alcohol-modified silicone, and to cosmetic products containing the same. When the polyhydric alcohol-modified silicone was used as an oil base, the cosmetic containing it had excellent adhesion to the skin without being sticky and had a clean feel, and when it was used as an emulsifying agent, it had excellent emulsification stability.

It was found that when this polyhydric alcohol-modified silicone represented by the general formula (1) below, and obtained by the addition reaction of a polyhydric alcohol-substituted hydrocarbon group, a silicone compound and an organohydrogen polysiloxane, was used as an oil base or an emulsifying agent, it had very high affinity with silicone oil bases and excellent emulsifying power, and the stability of the emulsion obtained was very good.

$$R_a^1 R_b^2 R_c^3 SiO_{(4-a-b-c)/2}$$
 (1)

(where, R1 is an alkyl group, R2 is represented by the following general formula (3):

(where, Q is a bivalent hydrocarbon group, and X is a polyhydric alcohol-substituted hydrocarbon group, and  $R^3$  is an organosiloxane represented by the following general formula (4):

(where, R is an alkyl group)



## EUROPEAN SEARCH REPORT

Application Number EP 01 31 0256

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